PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

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UTILITY First Inventor Kristy A. Campbell								
	S. F							
PATENT APPLICATION RESISTANCE VARIABLE MEMORY ELEME	RESISTANCE VARIABLE MEMORY ELEMENTS							
TRANSMITTAL Title BASED ON POLARIZED SILVER-SELENID	_							
(Only for new nonprovisional applications under 37 CFR 1.53(b))  NETWORK GROWTH								
Express Mail Label No.	0727							
MS Patent Application	MS Patent Application							
APPLICATION ELEMENTS  ADDRESS TO: Commissioner for Patents	ADDRESS TO. Commissioner for Patents							
See MPEP chapter 600 concerning utility patent application contents. P.O. Box 1450	P.O. BOX 1450							
CD DOM at CD D in during the state of the st	Alexandria, VA 22313-1450							
1. X Fee Transmittal Form (e.g., PTO/SB/17) 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)							
2 Applicant claims small entity status.  8 Nucleotide and/or Amino Acid Sequence Submission								
See 37 CFR 1.27. (IT applicable, all necessary)								
3. X Specification [Total Pages 58] a. Computer Readable Form (CRF)								
(preferred arrangement set forth below)  - Descriptive title of the invention  b. Specification Sequence Listing on:								
- Cross Reference to Related Applications i. CD-ROM or CD-R (2 copies); or ii.	Paper							
- Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table,  C. Statements verifying identity of above copies	_							
or a computer program listing appendix  - Background of the Invention  ACCOMPANYING APPLICATION PARTS								
- Brief Summary of the Invention								
- Detailed Description								
- Claim(s) - Abstract of the Disclosure  10. 37 CFR 3.73(b) Statement (when there is an assignee)  X Power of Attorney	10. 37 CFR 3.73(b) Statement (when there is an assignee) X Power of Attorney							
4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 13] 11. English Translation Document (if applicable)								
5. Oath or Declaration [Total Sheets 2] 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations								
a. X Newly executed (original or copy) 13. Preliminary Amendment								
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)  14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)	14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized)							
i. DELETION OF INVENTOR(S)  15. Certified Copy of Priority Document(s) (if foreign priority is claimed)								
Signed statement attached deleting inventor(s) named in the prior application,  Signed statement attached deleting inventor(s) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(8)	3) <i>(</i> i).							
see 37 CFR 1.63(d)(2) and 1.33(b).  Applicant must attach form PTO/SB/35 or its equivalent must attach for its equivalent must attach form PTO/SB/35 or its equivalent must attach must	ent.							
17 Other:								
6. Application Data Sheet. See 37 CFR 1.76								
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:								
Continuation Divisional Continuation-in-part (CIP) of prior application No.:								
Prior application information: Examiner Art Unit:  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is su	nnlied							
under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporate	d by							
reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.								
19. CORRESPONDENCE ADDRESS								
X Customer Number: 24998 OR Correspondence address below								
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP								
Thomas J. D'Amico								
Address 2101 L Street NW								
Address   2101 L Street NVV	DC Zip Code 20037-1526							
	9							
City Washington State DC Zip Code 20037-1526	9							

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FEE TRANSMITTAL			Complete if Known					
I LL IIVANOMII IAL			ation	Numb		Not Yet Assigned		
for FY 2004			Date		January 28, 2004	January 28, 2004		
Effective 10/01/2003, Patent fees are subject to annual revision.			Vamed	Inver	or Kristy A. Campbe	<u> </u>		
Enective 10/01/2003, Patent fees are subject to annual revision.			iner Na	ame	Not Yet Assigned	Not Yet Assigned		
Applicant claims small entity status. See 37 CFR 1.27			Art Unit N/A					
TOTAL AMOUNT OF PAYMENT (\$) 3,798.00	Attorney Docket			ket No	M4065.0644/P644			
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)						
Check X Credit Money Order Other None  X Deposit Account:	3. ADDITIONAL FEES							
Deposit	Large Entity Small Entity							
Account Number 04-1073	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid		
Deposit Account Dickstein Shapiro Morin &	1051	130	2051	65	Surcharge - late filing fee or oath			
Name Oshinsky LLP The Director is authorized to: (check all that apply)	1052	50	2052	25	Surcharge – late provisional filing fe heet.	ee or cover		
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	lon-English specification			
X Charge any additional fee(s) or any underpayment of fee(s)	1812	2,520	1812	2,520	or filing a request for ex parte reexam	nination		
Charge fee(s) indicated below, except for the filing fee	1804	920*	1804	920*	Requesting publication of SIR prior examiner action			
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting publication of SIR after examiner action			
FEE CALCULATION		110	2251	55	xtension for reply within first month	n -		
1. BASIC FILING FEE		420	2252	210	xtension for reply within second me	onth		
Large Entity Small Entity	1253	950	2253	475	xtension for reply within third mont	th		
Fee Fee Fee Fee Fee Paid Code (\$) Code (\$)	1254	1,480	2254	740	xtension for reply within fourth mor	nth		
1001 770 2001 385 Utility filing fee 770.00	1255	2,010	2255	1,005	xtension for reply within fifth month	n		
1002 340 2002 170 Design filing fee	1401	330	2401	165	lotice of Appeal			
1003 530 2003 265 Plant filing fee	1402	330	2402	165	iling a brief in support of an appeal	1		
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	tequest for oral hearing			
1005 160 2005 80 Provisional filing fee	1451	1,510	1451		etition to institute a public use proc	ceeding		
SUBTOTAL (1) (\$) 770.00	1452	110	2452	55	etition to revive – unavoidable			
	1453	1,330	2453	665	etition to revive - unintentional	<u> </u>		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE  Extra Fee from	1501	1,330	2501		Itility issue fee (or reissue)			
Claims below Fee Paid	1502	480	2502		esign issue fee			
Total Claims 143 -20** = 123 x 18.00 = 2,214.00 Independent 12 2** = 123 x 2**	1503	640	2503		lant issue fee			
Claims 12 -3 = 9 x 86.00 = 774.00	1460	130	1460	130	Petitions to the Commissioner			
Multiple Dependent	1807	50	1807	50	rocessing fee under 37 CFR 1.17(	q)		
Large Entity Small Entity	1806	180	1806	180	ubmission of Information Disclosur			
Fee Fee Fee Code (\$) Fee Description	8021	40	8021	40	Recording each patent assignment properties to the control of the	s) 40.00		
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	ïling a submission after final rejecti 37 CFR 1.129(a))	ion		
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	or each additional invention to be xamined (37CFR 1.129(b))			
1204 86 2204 43 ** Reissue independent claims	1801	770	2801	385	Request for Continued Examination	(RCE)		
over original patent  1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802	900	Request for expedited examination			
and over original patent	of a design application Other fee (specify)							
SUBTOTAL (2) (\$) 2,988.00		*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00						
**or number previously paid, if greater, For Reissues, see above								
SUBMITTED BY (Complete (if applicable))								
Name (Print/Type) Stephen A. Soffen Registration No. (Attorney/Agent) 31,063 Telephone (202) 828-4879								

Signature

Date

January 28, 2004